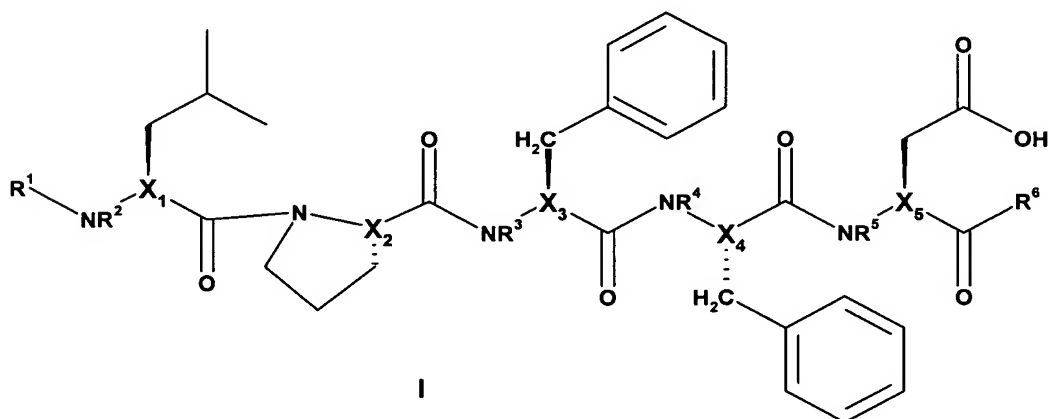


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A compound of the general Formula I:



wherein  $R^1$  is selected from H,  $C_2$ - $C_6$  acyl and  $C_1$ - $C_6$  alkyl;

$R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are independently selected from H and  $C_1$ - $C_6$  alkyl;

$R^6$  is selected from OH and  $NR^7R^8$ , wherein  $R^7$  and  $R^8$  are independently selected from H and  $C_1$ - $C_6$  alkyl;

$X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  are independently selected from  $CR^9$  or N wherein  $R^9$  is selected from H and  $C_1$ - $C_6$  alkyl and with the condition that at least one among  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  is N; as well as any chiral derivative thereof.

Claim 2 (Currently Amended): A The compound according to claim 1, wherein  $R^1$  is  $C_2$ - $C_6$  acyl and  $R^6$  is  $NR^7R^8$  wherein  $R^7$  and  $R^8$  are independently selected from H and  $C_1$ - $C_6$  alkyl.

Claim 3 (Currently Amended): A The compound according to ~~claims 1 or 2~~ claim 1, wherein  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  are independently selected from CH and N and with the condition that at least one among  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  is N.

Claim 4 (Currently Amended): A The compound according to ~~any claims from 1 to 3~~ claim 1, wherein  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are H and  $R^1$  is  $-C(O)CH_3$  and  $R^6$  is  $NH_2$ ; wherein  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  are independently selected from CH and N and with the condition that at least one among  $X_1$ ,  $X_2$ ,  $X_3$ ,  $X_4$  and  $X_5$  is N.

Claim 5 (Currently Amended): A The compound according to ~~any claims from 1 to 4~~ claim 1, wherein  $X_2$  is N.

Claim 6 (Currently Amended): A The compound according to ~~any claims from 1 to 5~~ claim 1, wherein  $X_3$  is N.

Claim 7 (Currently Amended): A The compound according to ~~any claims from 1 to 6~~ claim 1 selected from the following group:

**Ac-L-P-F<sup>a</sup>-F-D-NH<sub>2</sub>;**  
**Ac-L-P<sup>a</sup>-F-F-D-NH<sub>2</sub>; and**  
**Ac-L-P<sup>a</sup>-F<sup>a</sup>-F-D-NH<sub>2</sub>.**

Claim 8 (Currently Amended): A The compound according to ~~any claims from 1 to 7~~ claim 1 wherein the compound is utilized as a medicament.

Claim 9 (Currently Amended): A pharmaceutical composition comprising a the compound according to ~~any one of claims 1 to 7~~ claim 1 and a pharmaceutically acceptable excipient, diluent or carrier.

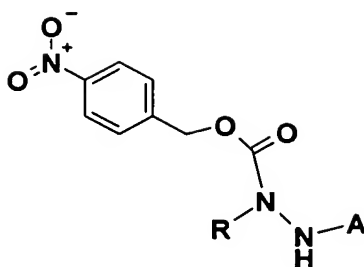
Claim 10 (Currently Amended): ~~Use of a compound according to any one of claims 1 to 7~~ A method for the manufacture of a medicament for the treatment or prevention of a disease or condition selected from Alzheimer's disease, Dementia pugilistica (including head trauma), Hereditary Cerebral Haemorrhage with amyloidosis of the Dutch type (HCHWA-D) and vascular dementia with amyloid angiopathy comprising adding the compound according to claim 1 to a medicament.

Claim 11 (Currently Amended): ~~Use~~ The method according to claim 10, wherein the disease is Alzheimer's disease.

Claim 12 (Currently Amended): ~~Use of a compound according to any one of claims 1 to 7~~, A method for the preparation of a medicament for the treatment of a disease associated with abnormal protein folding into amyloid and amyloid-like deposits comprising adding the compound according to claim 1 to a medicament.

Claim 13 (Currently Amended): A process for the preparation of an aza-peptide obtainable by a process comprising the steps of:

a. ~~Reacting~~ reacting at least one an aza-amino acid building block of Formula (II) with an amino acid, an aza-amino acid, a peptide, an aza-peptide or an azatide to form a aza-peptoidic bond through aza-peptide coupling:



II

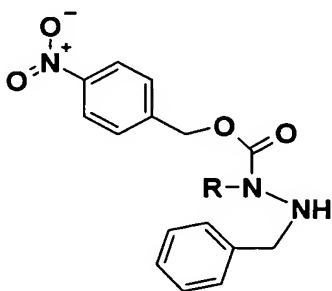
wherein R is selected from H and C<sub>1</sub>-C<sub>6</sub> alkyl;

A is any functional group of an amino acid;

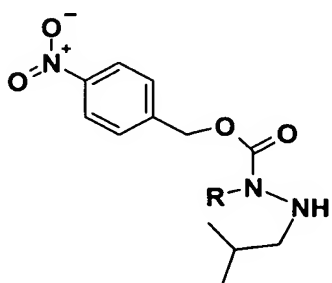
R and A can form a C<sub>3</sub>-C<sub>6</sub>-heterocycloalkyl ring[[]] and

b. ~~Removing~~ removing the para-nitro carbobenzyloxy group.

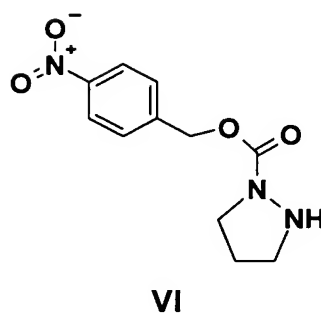
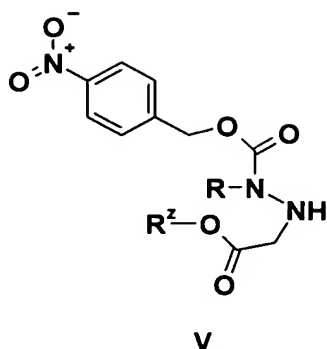
Claim 14 (Currently Amended): ~~A~~ The process according to claim 13 wherein the at least one aza-amino acid building block in step a) ~~of said library~~ is selected from Formulae III, IV, V and VI:



III



IV



wherein R is selected from H and C<sub>1</sub>-C<sub>6</sub> alkyl;

R<sup>Z</sup> is selected from -CH<sub>2</sub>-CH=CH<sub>2</sub> and -tert-butyl.

Claim 15 (Currently Amended): A The process according to claim 14 wherein R is H.

Claim 16 (Currently Amended): A The process according to claim 13 ~~or 15~~ for the preparation of an aza-peptide of a total sequence from 2 to 10 peptoid units in length.

Claim 17 (Currently Amended): A The process according to ~~any claims from 13 to 16~~ claim 13 for the preparation of an aza-peptide of a total sequence from 2 to 5 units peptoid units in length.

Claim 18 (Currently Amended): A The process according to ~~any claims from 13 to 16~~ claim 13 for the preparation of an aza-peptide having between 2 to 10 aza-amino acids.

Claim 19 (Currently Amended): A The process according to ~~any claims from 13 to 18~~ claim 13 for the preparation of an aza-peptide having between 2 to 5 aza-amino acids.

Claim 20 (Currently Amended): A The process according to ~~any claims from 13 to 19~~ claim 13 for the preparation of an aza-peptide of Formula I.

Claim 21 (Original): A synthetic aza-peptide building block having a Formula selected from Formulae III, IV, V and VI.

Claim 22 (Original): A synthetic aza-peptide building block of claim 21 wherein R is H.

Claim 23 (New): A medicament comprising the compound according to claim 1.

Claim 24 (New): A method for the treatment or prevention of a disease or condition comprising administering an effective amount of the compound according to claim 1 to a patient in need thereof.

Claim 25 (New): A method for the treatment or prevention of a disease or condition comprising administering an effective amount of the compound according to claim 1 to a patient in need thereof, wherein the disease or condition is selected from the group consisting of Alzheimer's disease, Dementia pugilistica (including head trauma), Hereditary Cerebral Haemorrhage with amyloidosis of the Dutch type (HCHWA-D) and vascular dementia with amyloid angiopathy.

Claim 26 (New): The method according to claim 25, wherein the disease is Alzheimer's disease.

Claim 27 (New): A method for the treatment of a disease associated with abnormal protein folding into amyloid and amyloid-like deposits comprising administering an effective amount of the compound according to claim 1 to a patient in need thereof.